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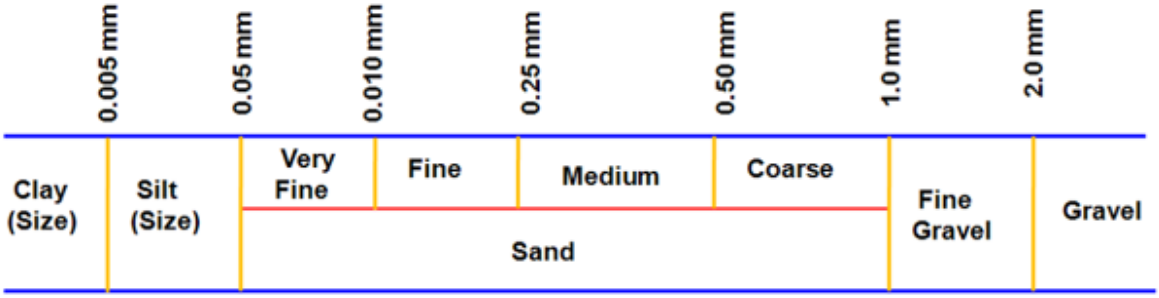
تصنيف التربه

هو وضع كل تربه ضمن مجموعه تتفق معها فى نفس الخواص والتصنيف الهندسي

حالات تنصيف التربه

- **Particle size (MTI)**

هو تصنيف التربه طبقاً لحجم الحبيبيات كونها زلط او رمل او طمى او طين



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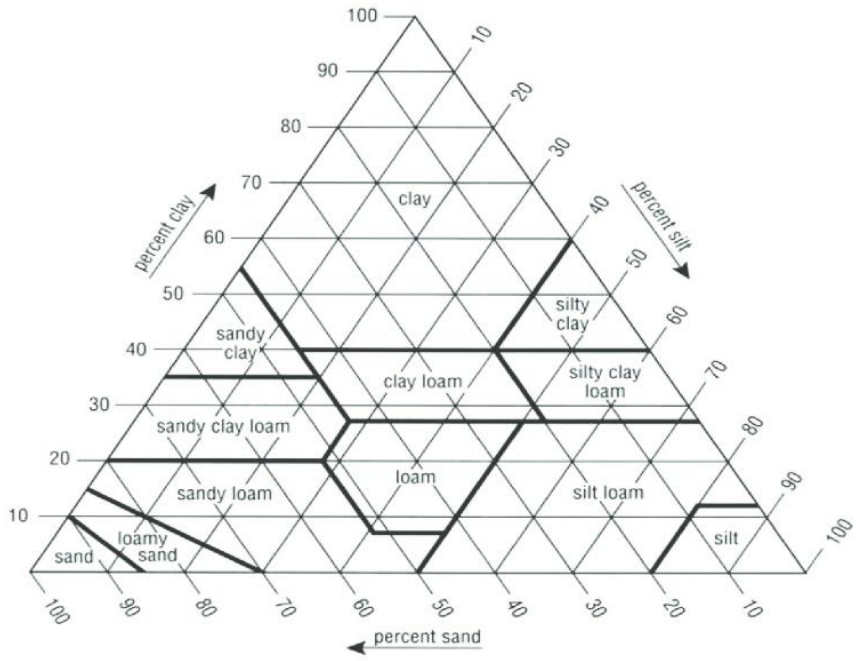
- **Textural Classification Methode (triangle soil classification)**

هو تصنيف التربه طبقاً لنسب مكونات التربه حسب شكل مثلثى (مرفق ادناه)



- **Unified soil classification Methode (U.C.S.C)**

هو تصنيف التربه المعرضه للاحمال الصغيرة

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- **AASHTO soil classification Methode .**

هو تصنيف التربه الى عدد 7 مجموعات A1,A2,A3,A4,A5,A6,A7

Soil Classification

AASHTO Soil Classification System (from AASHTO M 145 or ASTM D3282)

General Classification	Granular Materials (35% or less passing the 0.075 mm sieve)							Silt-Clay Materials (>35% passing the 0.075 mm sieve)			
Group Classification	A-1		A-3	A-2				A-4	A-5	A-6	A-7
	A-1-a	A-1-b		A-2-4	A-2-5	A-2-6	A-2-7				A-7-5 A-7-6
Sieve Analysis, % passing											
2.00 mm (No. 10)	50 max	...	...	...	...	...	...	...	...	...	...
0.425 (No. 40)	30 max	50 max	51 min	...	...	...	...	...	...	...	...
0.075 (No. 200)	15 max	25 max	10 max	35 max	35 max	35 max	35 max	36 min	36 min	36 min	36 min
Characteristics of fraction passing 0.425 mm (No. 40)											
Liquid Limit	...		...	40 max	41 min	40 max	41 min	40 max	41 min	40 max	41 min
Plasticity Index	6 max		N.P.	10 max	10 max	11 min	11 min	10 max	10 max	11 min	11 min[1]
Usual types of significant constituent materials	stone fragments, gravel and sand		fine sand	silty or clayey gravel and sand				silty soils		clayey soils	
General rating as a subgrade	excellent to good							fair to poor			

Note (1): Plasticity index of A-7-5 subgroup is equal to or less than the LL - 30. Plasticity index of A-7-6 subgroup is greater than LL - 30

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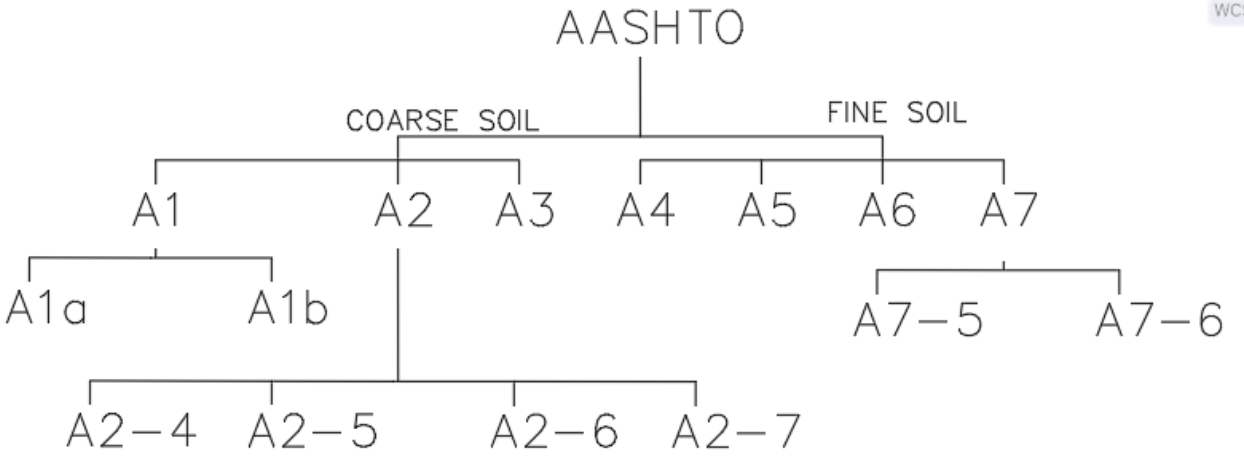

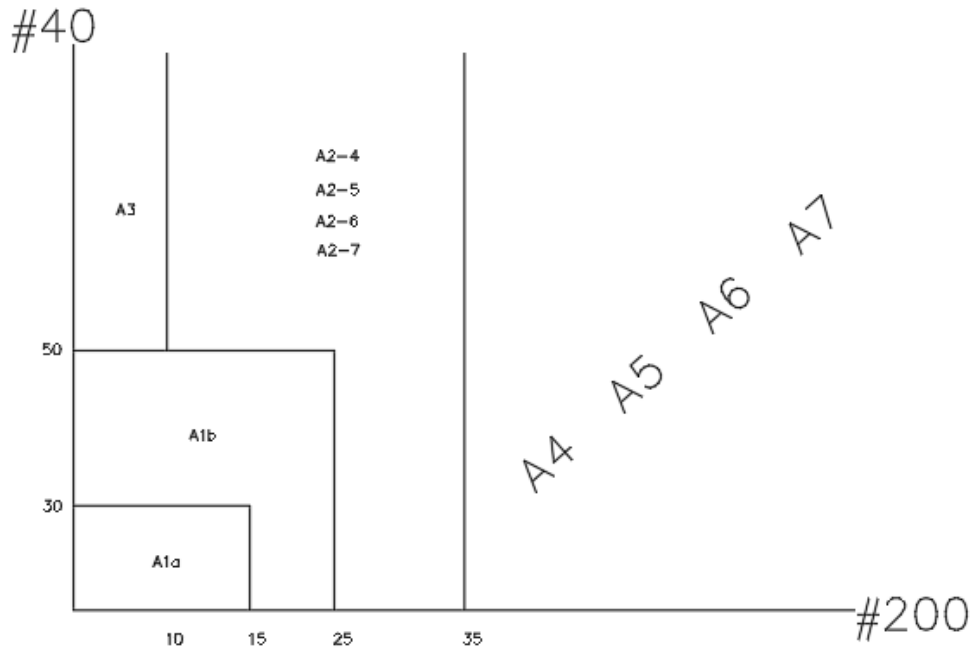

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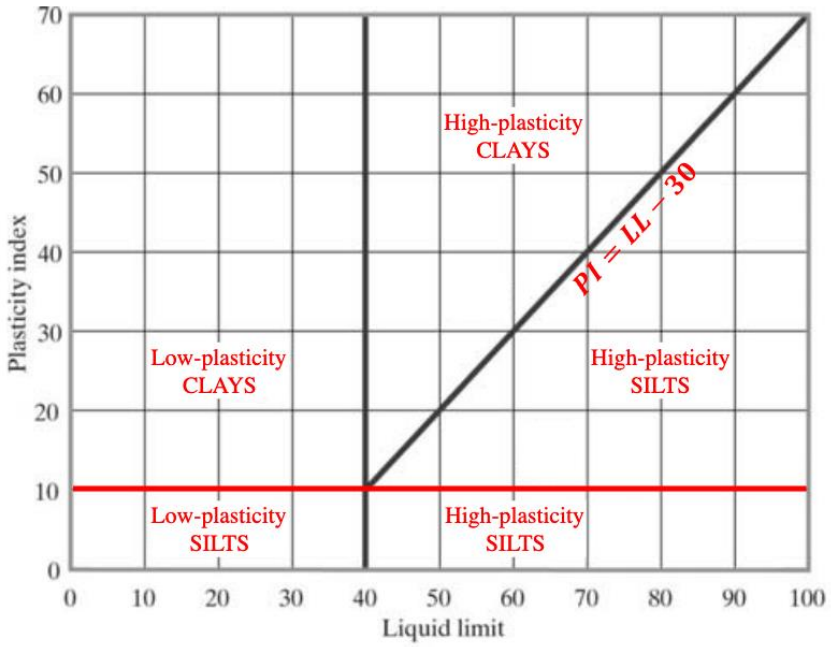

PI = LL-PL

IP<LL-30 ……. A7-5

IP> LL-30 ……. A7-6

إعداد

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